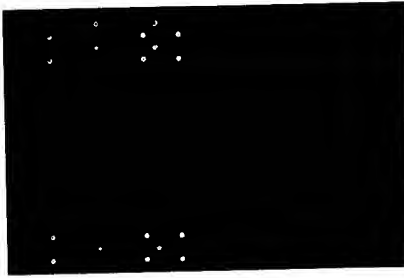
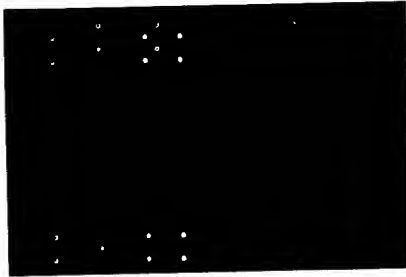


Figure 1

0.1 μ M

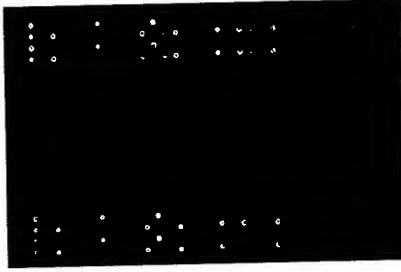


Treated

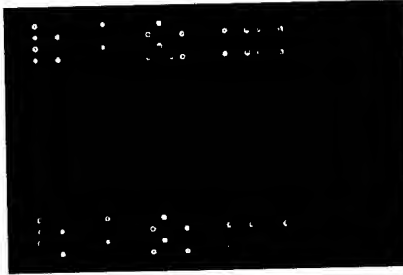


Control

1 μ M

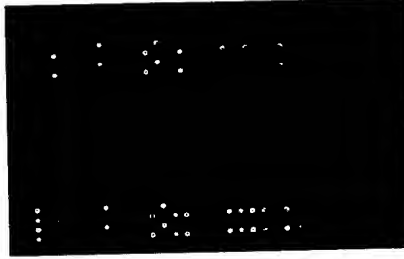


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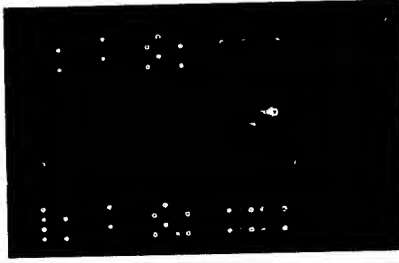


Control

10 μ M



Treated

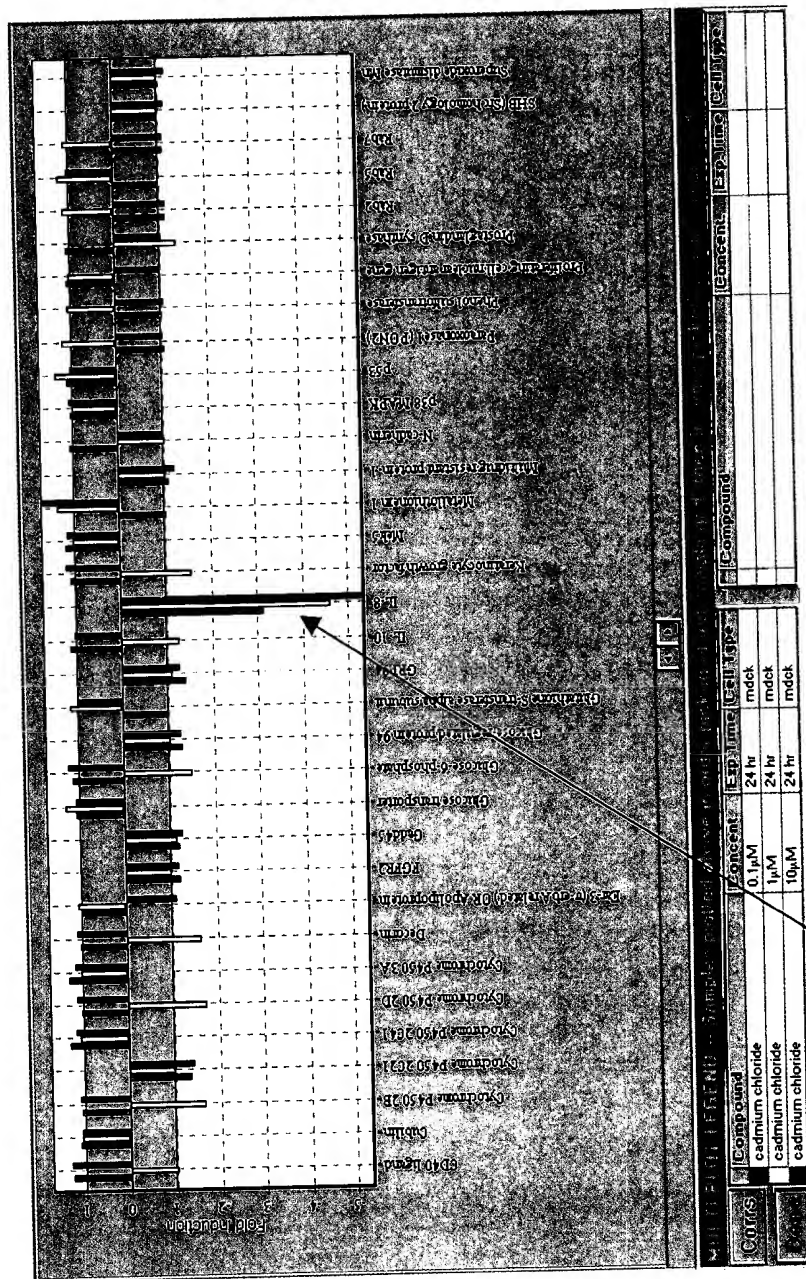


Control

Figure 2

| Gene | 0.1 μ M | 1 μ M | 10 μ M |
|---|-------------|-----------|------------|
| Alkaline phosphatase | 1.28 | 1.11 | 1.21 |
| BR-cadherin | 1.21 | -1.2 | 1.19 |
| BRCA1 | | 1.02 | 1.1 |
| Beta-glucuronidase | -1.03 | 1.05 | -1.09 |
| CD40 ligand | 1.27 | -1.05 | 1.3 |
| Catalase | -1.02 | 1.23 | -1.1 |
| Caveolin-2 | -1.02 | -1.13 | -1.02 |
| Cubilin | 1.1 | 1.06 | 1.08 |
| Cytochrome P450 2B | 1.07 | -1.68 | 1.11 |
| Cytochrome P450 2C21 | -1.37 | -1.01 | -1.44 |
| Cytochrome P450 2C41 | 1.28 | 1.08 | 1.18 |
| Cytochrome P450 2D | 1.02 | -1.75 | 1.12 |
| Cytochrome P450 3A | 1.29 | 1.04 | 1.17 |
| Decorin | 1.03 | -1.63 | 1.1 |
| Ear-3 (verbA related) OR Apolipoprotein A1 regulatory protein (ARP-1) | 1 | 1.06 | -1.1 |
| FGFR2 | -1.2 | -1.02 | -1.17 |
| | -1.4 | -1.1 | -1.28 |
| GRP94 | -1.21 | -1.15 | -1.26 |
| Gadd45 | 1.06 | 1.29 | 1.06 |
| Glucose transporter | 1.14 | -1.51 | 1.23 |
| Glucose-6-phosphate | -1.32 | -1.04 | -1.27 |
| Glucose-regulated protein 94 | -1.03 | 1.16 | 1 |
| Glutathione S-transferase alpha subunit | 1.11 | -1.27 | 1.04 |
| IL-10 | -3.15 | -4.65 | -5.36 |
| IL-8 | 1.1 | -1.56 | 1.2 |
| Keratinocyte growth factor | 1.21 | 1.03 | 1.17 |
| Mek5 | -1.05 | 1.35 | 1.72 |
| Metallothionein 1 | -1.12 | -1.03 | -1.25 |
| Multidrug resistant protein-1 | 1.08 | -1.06 | -1.03 |
| N-cadherin | -1.08 | 1.21 | -1.04 |
| Paraoxonase1 (PON2) | -1.03 | 1.07 | -1.07 |
| Phenol sulfotransferase | 1.07 | 1.01 | -1.02 |
| Proliferating cell nuclear antigen gene | 1.06 | -1.36 | -1.05 |
| Prostaglandin D synthase | -1.14 | 1.12 | -1.14 |
| Rab2 | -1.02 | 1.24 | 1.02 |
| Rab5 | -1.1 | 1.1 | -1.13 |
| Rab7 | -1.02 | -1 | -1.13 |
| SHB (Src homology 2 protein) | -1.05 | -1.02 | -1.16 |
| Superoxide dismutase Mn | -1.01 | -1.18 | -1.16 |
| Tissue inhibitor of metalloproteinases-1 | 1.2 | -1.02 | 1.02 |
| Tumor necrosis factor-alpha | -1.23 | 1.55 | 1.16 |
| UV Excision repair protein RAD23 (XP-C) | -1.12 | 1.04 | -1.19 |
| Ubiquitin | 1.23 | -1.18 | 1.33 |
| Vascular cell adhesion molecule 1 (VCAM-1) | -1.08 | 1.15 | -1.12 |
| ZAP36/annexin IV | 1.41 | 1.58 | 1.02 |
| c-erb B-2 | 1.04 | 1 | 1.05 |
| p38 MAPK | 1.09 | 1.35 | 1.02 |
| p53 | | | |

Figure 3



Dose Response Curve of Interleukin-8 (IL-8) Over Three Doses

Title: CANINE TOXICITY GENES

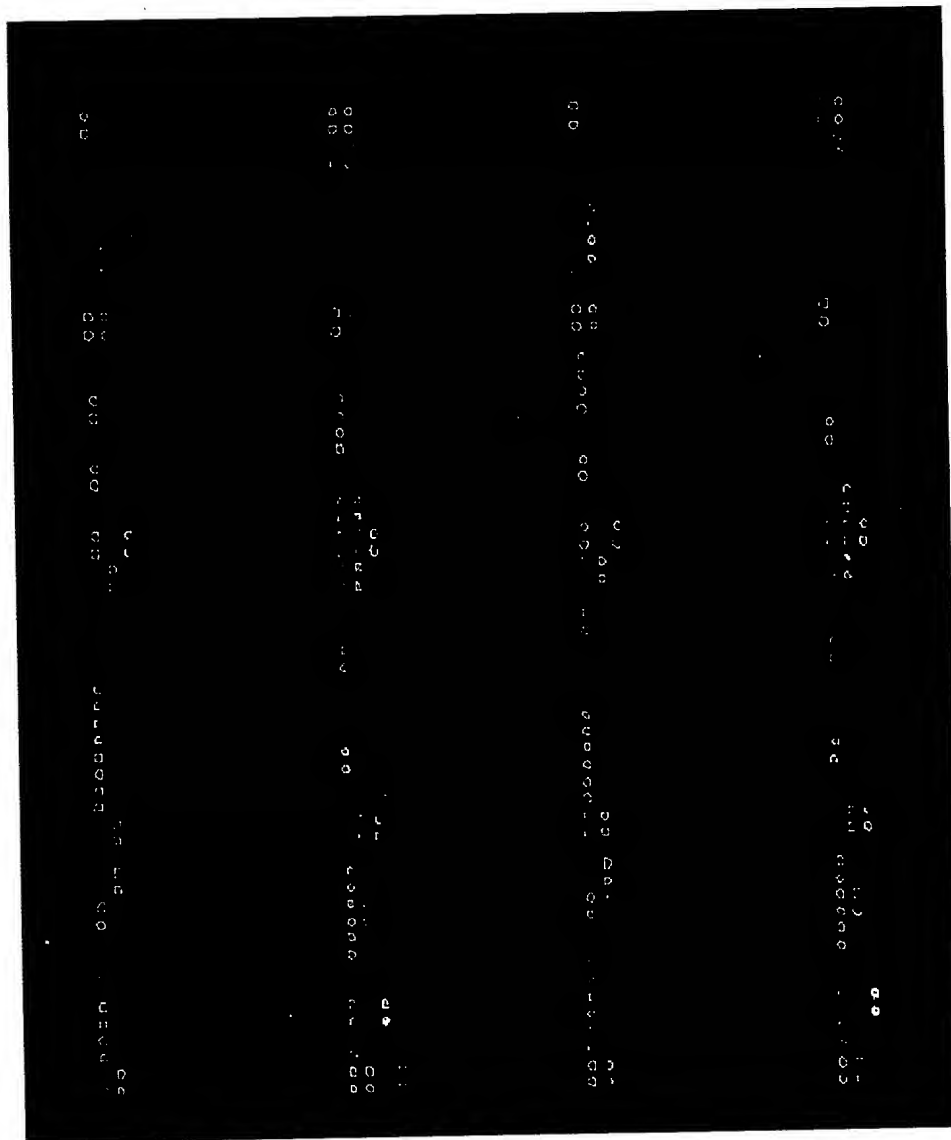
Inventor: Spencer B. FARR et al.

Application No. 400742000200

Docket No.: 400742000200

Sheet 4 of 8

Figure 4



Title: CANINE TOXICITY GENES

Inventor: Spencer B. FARR et al.

Application No.: 400742000200

Docket No.: 400742000200

Sheet 5 of 8

Figure 5

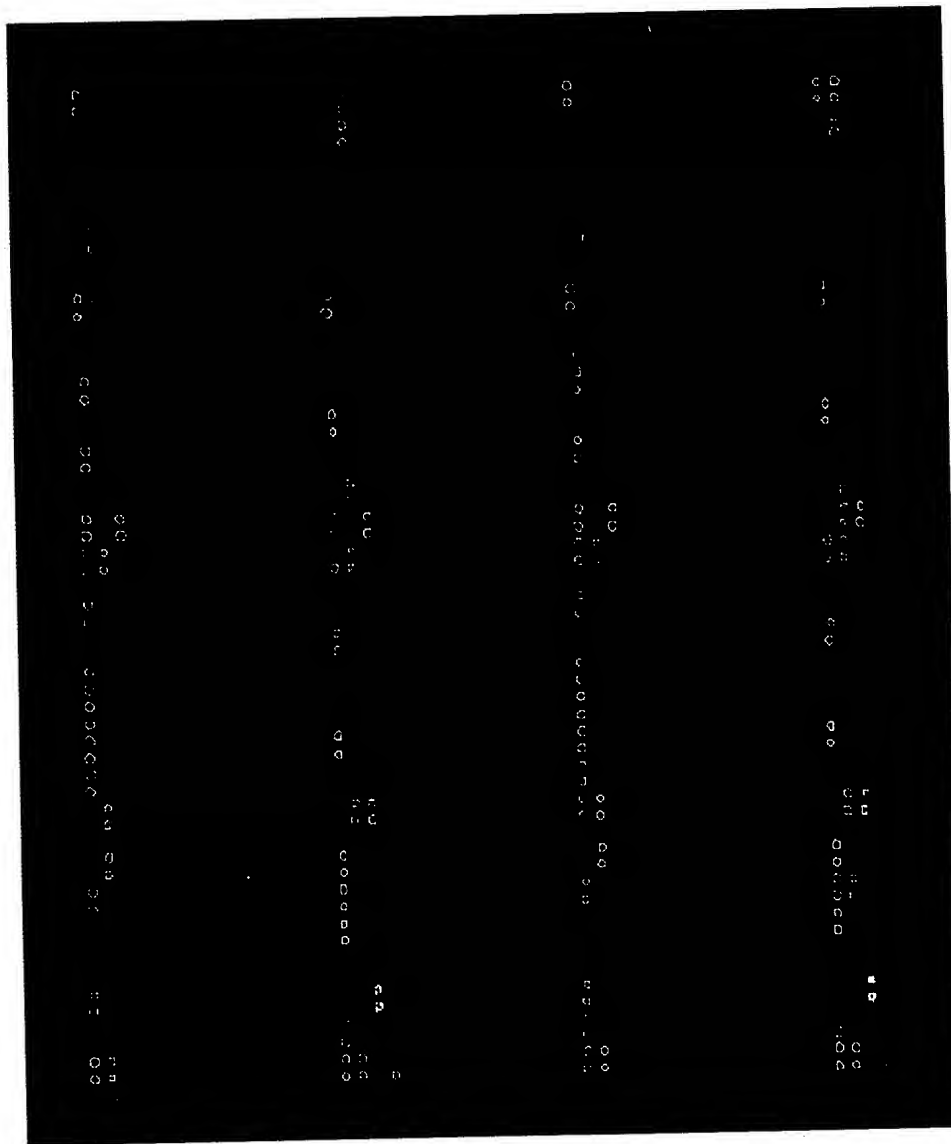
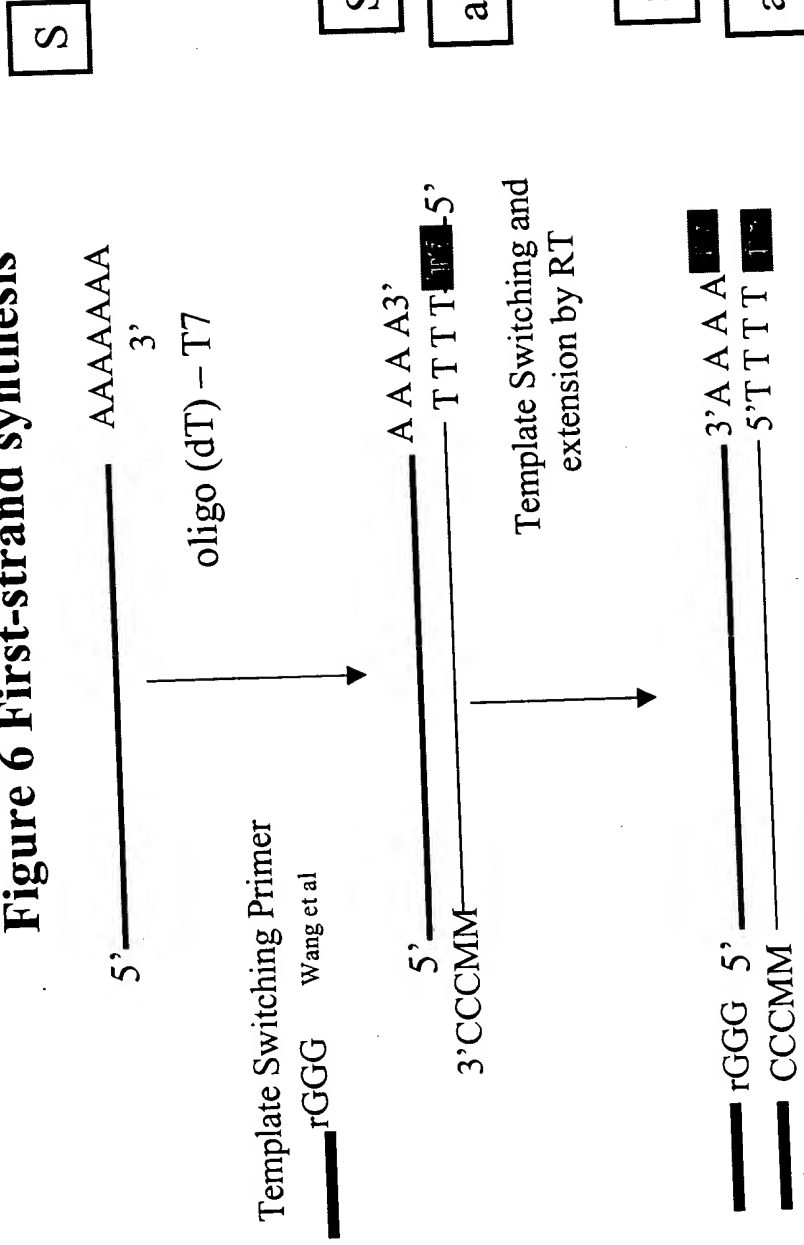


Figure 6 First-strand synthesis



S = Sense Strand

aS = anti-Sense Strand

Figure 7 Second-strand synthesis

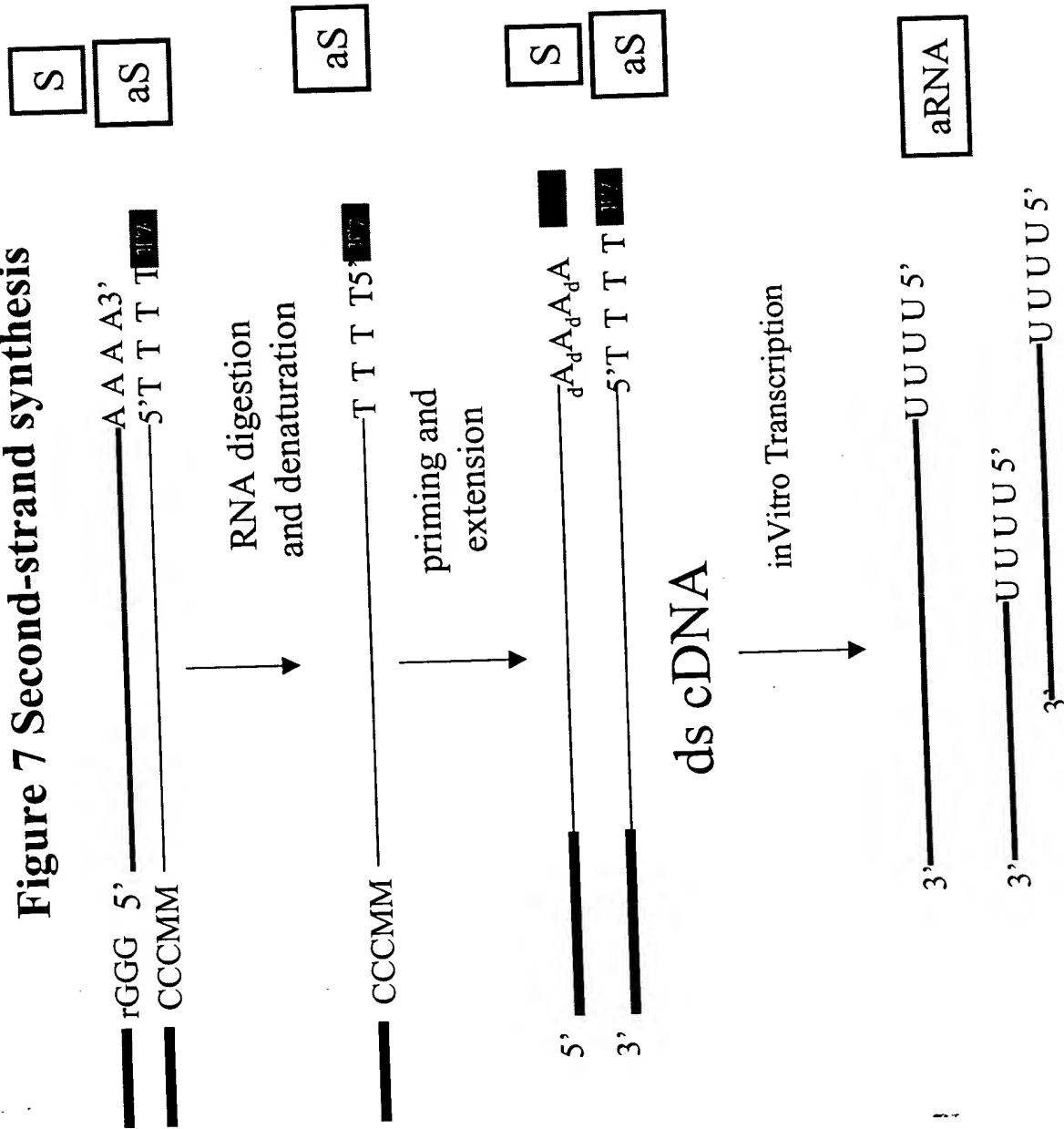


Figure 8 Anti-sense Probe synthesis

